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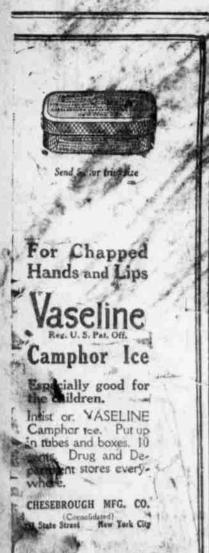
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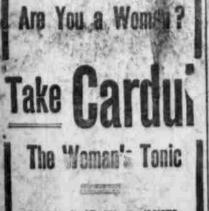
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WEEKLY# COURIER-JOURNAL has been discontinued, but FARM! AND FAMILY, a most excellent illustrated monthly magazine, is a worthy successor. The price is only 25 cents a year. Ask for a sample

Courier-Journal Company Incorporated LOUISVILLE, KY.





spared to do all kinds o h end . Tren

Soil Acidity is Responsible in Many Instances for Failure of Seeding of Alfalfa and Glover.

To be careless in the treatment of the soil is as fatal to profitable agriculture as to be indifferent in the care of live stock upon the farm, writes A. R. Whitson, chief of the State Laboratory, established by the last legislature to aid Wisconsin farmers.

We seem content to stop with the knowledge that there is something de-cidedly wrong with our fields. We know that at one time they yielded much better crops, but we willingly rest with the conclusion that they are "wearing out." Large areas of soils even in this state are acid, and, as a consequence will not yield as plentifully as they should. We have to determine by means of a very simple test whether or not our fields are acid, and

When a farmer finds that he cannot get a good stand of thrifty clover on his land, when he sees that certain weeds, such as corn spurry and sheep sorrel, grow readily in his fields, he could, by obtaining a small quantity of blue litmus paper at his drug store, easily test his own soil to find if it is ing of alfalfa and clover.

Growing in soils well supplied with lime these plants are able to obtain the nitrogen essential for their growth through the work of certain kinds of bacteria or germs which penetrate the smaller roots, forming lumps or swellings, called nodules. Each of these nodules is a tiny chemical laboratory, in which nitrogen gas is built up into compounds for use by the plant.

MANAGING SHEEP IN WINTER

Where the Weather Is Severe Ample Shelter and Food Must Be Furnished to Prevent Loss.

Even at the far south, sheep should he provided with comfortable sheds, and in those portions where snows fall, and the food is destroyed by frost, hay and roots of good quality and in abundance should be furnished. Where the winters are severe, shelter and food must be provided. The sheep should be brought to the pens early in the season. At the very first of the feeding season, the oldest and poorest of the flock should be separated from the others and put upon higher keeping. They should have grain in abundance and be made ready for the butcher as soon as possible. Too many sheep must not be kept in a single pen. If the pens are small, or the feet is poor, large flocks will soon tale a heavy loss.

good shed, which is comfortably ten and thoroughly ventilated, bould be provided. Sheep can endure cold much better than they can im-gue air. Still they should not be ex-second to the action of wind or rain. the temperature of the pen should t run extremely low. Small pens, which are quite warm, should be provided for the use of sheep at lambing time, and for sheep which do not own their lambs. The bottom of the shed should be kept constantly dry. Plenty of straw or swale hay should be used for bedding.

An occasional feed of bright corn-falks will be reliahed by sheep, and them good. It is not well to kee breeding ewes very fat; on the other hand, it is simply ruinous to allow them to get very thin in flesh. A vaflety of food will be relished, and will



A Thrifty Trio.

give better results. As in summer, salt should be kept in a box to which heep can have free access.

NECESSITY FOR PLANT FOOD

Can Farmer Afford to Take Risk in Seed, Kind of Fertilizer Used and Culture Employed?

The crops which you are growing average to mature in 60 to 90 days. The seasons are short. The plants must have their food every bour they are in the soil, and it must be avail-

able or they will not grow.

If you think you can trust quick-growing crops on insoluble fertilizers, that is for you to determine, but in my judgment, taking the seasons as they go, wet and dry, hot and cold, you will find you will be the loser, says a writer in an exchange. You have to take a great risk as to the vonther. That is the largest factor

in raising crops.

Can you afford to take any risk in the seed, the kind of fertilizer used. or the culture employed, factors over which you have control?

Practical Farming. When a milk farmer begins to pick himself up and grow ambitious, one of the surest signs is better stock, better When a truck farmer begins to really hustle, he commences by using re manure. Did you ever know a oil practical farmer who if both his nows and his

ERRORS IN MANAGING SOILS HOUSEHOLD DUTY AND LOOKS MAKE ALCOHOL OF POTATOES

London Woman Advocates the One as the Other.

A London woman appears to have hit upon a sure way to make homehold duties palatable. The schem may not be novel. Perhaps it has been tried many times. The London woman, however, gives it a freshness and a seeming sincerity that are very attractive. In the first place there must be an ostensible object in view. The London woman refers to this object as a systematic course of indoor exercise at home. What does she hope to secure by this systematized exercise? The creation and preservation of beauty. There you have it. What goal could be more allurif so, apply a known and dependable ing? Does the system require a gymnasium, a running track, the usual paraphernalia of indoor exercise? No. Its parallel bar is a broom handle, its dumbbells are brushes, its scaling ladders the front and back stairs. Listen to the London woman. "A good blood circulation acid. Soil acidity is responsible, in is stimulated by bending to scrub many instances, for the fallure of seed- a floor or a table, and a good circulation means good health."

Yes, and it means good looks, too. The London woman rounds her arms by dusting, lifting chairs and moving rugs, and brushing down the steps and sweeping floors. She gives herself a finer carriage and a steadier gait by earrying wood and coal to the domestic hearth. - Cleveland Plain Dealer.

POOR LITTLE THING



"Why what's the trouble?"

"Boohoo! I wus jest thinkin' that s'posin' I'd never git no offers of marriage 'ceptin' from a redheaded man an' I can't-boohooabide her red hair."

NO RIP SLEEP THERE.

Joe Jefferson once played a onenight engagement as Rip Van Winkle in a small Indiana town. In the hotel at which he stopped was an Irish porter, who, from the serious interest he took in the house, might have been the proprietor. A six o'clock the next morning Mr. Jefferson was awakened by a violent thumping on his door. He had left no "call" order, but his sleep was spoiled, so he arose and soon appeared before the clerk, indignantly demanding to know why he had been

Taking the clerk by the coat the Hibernian led him to one side and said in a whisper: "He were shnoring like a horse, sorr, and Oi'd heerd the b'ys say as how he were wonst afther shlaping for twinty years, so Oi sez to mesilf: 'Moike, it's comin' on to him ag'n an' it's your duty to git him right out o' yer house."-Ladies' Home Journal.

NOT OVER-SUPPLIED.

When Senator Kern was running for governor of Indiana he stopped one noon at a little hotel in Brown county for some food.

"Hurry up, now," Kern said to the proprietor. "I have only fifteen minutes before my train comes."

"No hurry, governor," the hotel keeper replied. "You can eat all there is in this hotel in five minutes."-Saturday Evening Post,

WHAT HE NEVER DOES.

Housekeeper-You ought to be ashamed to be beating your way through life, while honest people

Tramp-I may have done some beating, mum, but one thing I can say with a clear conscience; I never beat carpets.-New York Weekly.

WAY SHE REASONS

Crabshaw-Well, the taxi fares have been reduced at last.

Mrs. Crabshaw-Isn't that just splendid? Now, when I take one I'll be able to have a longer ride!

One Reason Industry Has Not Advanced in United States in Be-cause of High Price of Tubers.

Orepared by the United States Department of Agriculture.)

That the manufacture of alcohol from potatone has not yet become established in the United States is due. to various reasons. The price of potatoes marketable for other purposes has been too high, and no sufficient supply of culls and surplus potatoes has been available. The average price for distilling potatoes in Germany for the five years 1906-1910 was 18.3 cents per bushel. It is probable that the farmers there would be less disposed to grow the crop if it were not for its indirect benefits, including the feeding value of the must left after the distillation of the alcohol, according to the department of agriculture.

The potato-drying industry in Germany is the last development in the utilization of surplus potatoes, and came about only through the absolute necessity of finding an outlet for the surplus production that could not be consumed by the starch and alcohol factories. The rapid increase in the number of potato-drying factories in Germany shows great promise for this young industry, and should merit the careful consideration of our people as to whether the time has not already arrived for the introduction of this method into the United States, at least on an experimental basis, The problems to be met relate mainly to the present cost of the labor in picking up and delivering to the factory the potatoes not marketable for table purposes. In many cases, however, it is necessary to remove these culls from the field to prevent the spread of petato diseases, and it would seem

that the drier would pay for the labor involved. The dried product is adapted for many purposes. Not only cattle but horses have been fed the dried potatoes as a substitute for grain with perfect satisfaction.

BROOD MARES FOR FARM USE

Percheron or Shire Will Generally Prove the Most Satisfactory-Profit Obtained in Colts.

In selecting a broad mare for farm purposes, the Percheron or Shire will generally prove the most satisfactory They need not be too large because a heavy footed clumsy beast is to be avolded always.

A mare that weighs fourteen or fif teen hundred pounds is big enough

for any use.

She should have a clean, bony head, a prosident, bright, intelligent eye, good legs and large hoofs. Her barrel should be roomy but ymmetrical with broad hind quarters



Avoid a mare with any suggestion of "ent hams."

A good disposition is essential, but does not mean that a brood mare must be stupid or a bungler in harness. Better pay \$300 for a first class

brood mare than \$100. The difference will be made up in the first two colls. provided the right kind of a sire is

With a broad mare of this description a farmer can every year raise a colt that will sell from \$150 to \$300 and get good service in farm work sat of ber besides.

GOOD PASTURES FOR SWINE

Clover Is Much Cheaper for Pigs Than Grain and It Pays to Give Animais All They Will Eat.

(By W. F. PURDY.) A trip through the country will reveal the fact that a good many of the pig pastures on the farms are not pastures in fact, but simply small

This means that the pigs get a little grass or clover while it is at its best early in the spring and then go without the rest of the season

Now, if the pigs could be given a good big pasture where they would have more range and all the clover they would eat and some to spare the profit from them would be more.

Clover is very much cheaper feed for plas than grain and it pays to give them all of it they will est. Pattening hogs will make the same gain on 25 per cent. less grain where they have access to good clover pasture.

Positry Rosp.

The most certain way of identifying poultry rosp is a characteristic sickening odor.

Early Vegetables. Every farm should have a hothed

Wood's Laxative Mineral Water.

Well Recently Bored 137 Feet Deep, Situated One Mile West of Hopkinsville.

ANALYSIS OF WATER.

ANALYSIS OF WATER.

By Kentucky Agricultural Experiment Station, Lexington, Ky:
One gellon contains 323.6 grains, of solid matter (5.53 grams per liter.) composed mainly of sodium chloride (common salt.) sodium sulphate (Glauber's salt.) with small amount of calcium sulphur, calcium carbonate, magnesium carbonate and sodium sulphur, calcium carbonate and combined is present to the extent of 5 0 grains per gallon. There are traces of acdium iodide and sodium, bromide, iron, silica, potassium and lithium salts. There is a salt-sulphur water and would doubtless have a laxative effect in addition to the other properties of a sulphur water.

S. D. AVERITT, Chemist.

The following testimenial is submitted, with signatures;

"I have used Wood's Laxative Mineral Water and it has benefited me more than any water I have ever drank."

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On and after April 4 this water will be on sale at J. O. Cook's drug store, where orders can also be taken for any quantity.

Water will be delivered to any part of the city by wagon twice a day.

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